

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/S34, S38 A
Source: JFWP
Date Processed by STIC: 08/02/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/534,538A

TIME: 08:45:26

Input Set : A:\272331US0PCT.ST25.txt

Output Set: N:\CRF4\08022006\J534538A.raw

3 <110> APPLICANT: XI, YONGZHI
 4 XI, CAIXIA
 6 <120> TITLE OF INVENTION: A FULL-LENGTH POLYNUCLEOTIDE CODING CHICKEN TYPE II COLLAGEN
 AND
 7 THE USE OF IT
 9 <130> FILE REFERENCE: 272331US0PCT
 11 <140> CURRENT APPLICATION NUMBER: US 10/534,538A
 12 <141> CURRENT FILING DATE: 2005-05-12
 14 <150> PRIOR APPLICATION NUMBER: PCT/CN03/00967
 15 <151> PRIOR FILING DATE: 2003-11-14
 17 <150> PRIOR APPLICATION NUMBER: CN 100039
 18 <151> PRIOR FILING DATE: 2002-11-14
 20 <160> NUMBER OF SEQ ID NOS: 29
 22 <170> SOFTWARE: PatentIn version 3.3
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 5495
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Gallus gallus
 29 <400> SEQUENCE: 1
 30 ccaggcaagg atggcgacag tgtaagtggg gcacggccat ggggtgggct ggcaaaggat 60
 32 gctcacagag accacatcct catctctctc tctctcccat agggctctgac ggggtccatt 120
 34 ggtccccctg gccctgctgg ccccaacggt gagaagggtga gagcagcatc acagcacccc 180
 36 acattacgcc ccatgggatg accccagtgc ctccacctct ccatectttc ttttccaggg 240
 38 tgaatccggc cctcctggtc catctggtgc tgccggtgcc cgtggtgccc ccgtaagcac 300
 40 aatgtctgca gcccctgggt gcccctaacc ttaccctaa acccccatca acccctttat 360
 42 caacctcccc catctcttcc cattaggggtg agcgtggcga gcccgggtgcc cccgggtcctg 420
 44 ctggatttgc tggccccccg gtgagtgttt caccgccgaag ccccatcgc acaccacgt 480
 46 ctccacccca catctcacc ccatcatgag tggtgtctgt tcccatcagg gcgccgatgg 540
 48 acaaccgggt gccaaaggcg agcagggaga gcccgggcag aagggtgacg cgggcgctcc 600
 50 tgggtcccaa ggtccctccg gcgctcctgg cccccaggta caacaccaa tggggcaaac 660
 52 ccccaaattt gggacgtcac ggcccgaatg caggcacact gcagctcccg ttcggatttg 720
 54 taacctgttt ttctctcctt cctagggtcc aaccgggtgc actgggtcca aaggagctcg 780
 56 tggggctcag ggtccccctg tgagtaccgg ggggtgggct gcagggtggg gaaggagcgg 840
 58 ccgtggggct gagctgtgtc tgagccgttt ctctctctcc tctctctct gactctgtga 900
 60 ttccctcccc agggagccac gggattcccc ggagctgccg gccgtgtggg accgcccggc 960
 62 cctaattgtga gtctgggggc gttctgggat tgccccacc tggggtttgg gcgctgcttc 1020
 64 cccgcgtgc gtgttgagg gggcactgtt tccctgcaca gacacgtggg gttttcctcc 1080
 66 ttggctctct gatgttggt tttggggcca ttccaatggt agagaaggac ttttctaagg 1140
 68 gcaagagctc cccaagaagc agcagtggga tgccgggtgat aaagatggaa tggtgcctc 1200
 70 tggtttgca caacgtgct ttccttccct ttagggtaac ccaggccccc ccggaccccc 1260
 72 cggctctgct ggcaaagacg gcccgaaggg tggttcgtggc gacgccggcc ccccgggccg 1320
 74 tgcagggtgac cccggcctcc aaggccccgc cggccccccc ggcgagaagg gcgaaccggg 1380
 76 cgaggacggc cccgcgggtga ggattctggg ggtctcctcc ctccgtgcac cccctggctg 1440
 78 cgtgggtgcc ttgttcttag tctgatttcc ccctctgctg ccctgcaggg tcccgcaggc 1500

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/534,538A

TIME: 08:45:26

Input Set : A:\272331US0PCT.ST25.txt

Output Set: N:\CRF4\08022006\J534538A.raw

80	cccccccggc	cctcaaggct	tggcaggaca	gcgtggtatt	gtgggtctcc	caggacagcg	1560
82	tgggtagaga	ggcttccccg	gactgccggg	gccatcggtg	agtgggtcgc	tctcatttgg	1620
84	gtgcaactgaa	tcctatgggg	tgcagagatg	tggggggccg	gatgctctgg	agcccatctc	1680
86	aggggtcgcc	agcccttttg	tgcagcccg	ggacaccgtt	tgcaggtggg	ttggggtttt	1740
88	gcggagctcc	tttttcccca	ccaggagccg	ctggtgcaag	gcttaaagcc	ggggcaggaa	1800
90	aaccatcagt	ggttatttgt	tgcagagggg	tctgggagcc	ataaaaaacg	gggaaggggc	1860
92	agcgctgggg	tctctcccac	tcatgcacct	ctttcccatc	tttcaggagg	aacctggaaa	1920
94	gcaaggagcg	cctggctctg	cggtgaccg	aggtccccc	ggccccgtgg	gccccctgg	1980
96	gctgacaggt	cctgctggag	aaccggggcg	cgaggtaac	aaaacccac	agcatcacag	2040
98	cggcaccggg	catcaccaac	cccatggcac	agctcagctc	ccagagctcc	ccggtgtctt	2100
100	tttctccagc	actgaaagga	gactttgcac	aaatcctgct	ccaccgggt	tgtaacatcc	2160
102	ccttttccctc	ctagggcaac	cctggtgctg	acgggtcccc	aggcagggat	ggcgcagctg	2220
104	gcgtgaaggt	gagcttgcca	tgcgctcccc	attggcactc	gccatccccg	tgccaaaagc	2280
106	tgtggggttt	tgcacagatc	tgacctctct	gttgtctgct	cgcagggtga	tcgtgggtgag	2340
108	accggccctg	tgggtgctcc	cggtgctcct	ggagccccctg	gcgcccccg	ccctgttggt	2400
110	cccactggaa	aacaaggaga	cagaggcgag	acggtgagtg	ctggcacaag	ggtttaggg	2460
112	ttagggctctc	cttatggctg	aaaatgtgca	ggggttcccc	tcaaggtttg	ttccttgca	2520
114	cagtgtctgag	tgcatttaaa	gatgctgtga	ggcaccaaca	gctgctgatt	gtcactgttg	2580
116	cccgatctg	gggtgcggag	catggggctg	gctcagacac	ccccgaaatc	ccaaattcat	2640
118	ggcttcgag	tggtgcttct	ggctcgctggc	accttctgat	gtcctttttt	tctccctgca	2700
120	gggtgcacaa	gggcccattg	gtccctctgg	tcccgctgga	gctcaggaa	tgccggtgag	2760
122	tgggtctgag	tgcatcgga	catcccacgt	acagagcgtg	gggtcctgcg	tgccaggagg	2820
124	gggtctgcca	ccctgagccc	gacacagccc	tgtccccact	ttaggggtccc	caaggacctc	2880
126	gtggtgacaa	aggtgagacg	ggagaggctg	gagagagagg	gctgaagggc	caccgcggt	2940
128	tcaccggtct	gcagggtctg	cccgaccac	ccgtaagttg	gtttggggag	cactgagccc	3000
130	ccccccccgt	acgatgcggc	tcctttgggg	tctctgtggc	caccgaggct	ctgtctggcc	3060
132	caaagtgtg	accgcagagc	tgtgaccacc	ccggcttcct	cctcaggggc	cgtctggaga	3120
134	ccaaggtgct	gccggtccc	ctggtccctc	cggtcccaga	gtaagtcctg	acggtgggtg	3180
136	ttgggggtgg	ggaaggggaa	ggagcagcag	tggcctccct	gggcacctgc	agcctctgtt	3240
138	cgctcctgtc	tgctcatcag	caccatcgcc	ttccctgccc	tgaggccccg	caatgccttc	3300
140	acctccccgt	tttggggctc	tctcctaggg	tccccctggt	cccgctcgcc	cctctggcaa	3360
142	agacggctct	aacggcatgc	ccggccccat	cggtcctccc	ggtccccgtg	gacggagtgg	3420
144	tgaacccggc	cctgcgggtg	gtcctggtga	ggggaggcag	ggaatgggg	ccagctcgca	3480
146	gagcagccca	tcagcatcac	ttctttctcc	catagggtcc	tcctggaaac	cccgttcttc	3540
148	ccggtcctcc	tggccccccc	ggcaccggca	tcgacatgtc	tgcttttgct	ggactgggtc	3600
150	agacggagaa	gggccccgac	cccatccgct	acatgggggc	agacgaggcg	gccggagggc	3660
152	tgccgcagca	cgacgtggag	gtggacgcca	ccctcaaate	cctcaacaat	cagattgaga	3720
154	gcatccgcag	ccccgagggc	tccaagaaga	acctgcccag	gacctgccgc	gacatcaaac	3780
156	tctgccatcc	cgagtggaa	agcggtaa	gctccgcgtg	cctctcccgt	cctccccctc	3840
158	tccccacagg	agagcatccc	cagcgtcctc	gcaccgacct	gcggtcaggt	tggatgttag	3900
160	gaaagattcc	ttgtccaaaa	gagctctggg	cgctgggctg	ggctgcccgg	ggaggtgggg	3960
162	cagtgcgtgt	ccccataggt	gttgggggaa	tgtggagatg	tggcacttgg	gagcgtggct	4020
164	tagtggggat	gaggcagcag	ttggaccaat	cttcgaggtc	ttctccagtc	ttaatggctc	4080
166	tgtgcttctg	tcggtgtgca	tgggtggtgat	gggtggccat	ttagacttgg	cgatctttga	4140
168	ggctttttcc	gatcttaacg	actcctagac	ctccccaaac	ccatgaacgc	tgtttgtcct	4200
170	ccccctgca	ggagattact	ggattgaccc	gaaccagggc	tgcaccttgg	acgccatcaa	4260
172	agtattctgc	aacatggaga	caggcgagac	ctgcgtctac	ccgaccccc	gcagcatccc	4320
174	caggaagaac	tgggtggacca	gcaagacgaa	agacaagaag	cacgtctggt	ttgcagagac	4380
176	catcaacggc	ggtttccacg	tgggtgtccc	ccgggtgtcc	ttggaaggat	cgatcccacc	4440

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/534,538A

TIME: 08:45:26

Input Set : A:\272331US0PCT.ST25.txt

Output Set: N:\CRF4\08022006\J534538A.raw

```

178 tgggatgtcc ttcttgccgt catgtggatg ggttttaatg aagttataga gggatgattct 4500
180 gaaggtgtag gtttgggtca gttcagctcc acaaatcaaa gggaaaggat gggatggagc 4560
182 aactgagctc cctcggtttg tttggcccag aaaagggtgag gatgagggga ggcctcacgg 4620
184 ccctacagcc ccttacggcc ctacagcagc gttaggaaaa aagttctgcc ccggagctgt 4680
186 gttgggcaca gaacagccct gtgatgccgg agctcgggga gcattgggac aacgctctca 4740
188 gacattgggt ttgggtcagg tcctgggtaa cgtgatgtgc agggggcaac cagcccatgg 4800
190 gtgggcttta aggacccttc caagccaacc attccatggt tctgtgatct gtaaggacct 4860
192 ttccaatcca aaccactctg atttttttct cagccatttg ggaacctgaa gtacggaagt 4920
194 cctcccaaaa agctcctgag agtaagggtg tcataatgcc cgcaggcttt aactcctcac 4980
196 ctcttccttc cagttcagct acggcgatga gaacctgtcc cccaacaccg ccagcatcca 5040
198 gatgaccttc ctgcgctcc tgtccaccga gggctcccag aacgtcacct accactgcaa 5100
200 gaacagcatc gcctacatgg acgaggagac gggcaacctg aagaaagcca tcctcatcca 5160
202 gggatccaac gacgtggaga tcagagccga gggcaacagc aggttcacct acagcgtctt 5220
204 ggaggacggc tgcacggtag gttgctgggc gcctgcaaa gaaagggtgca gatggggagg 5280
206 gggaggctga ggctgggggg atgaggccgg agcagctgac agcatccctg ccctccttcc 5340
208 ctccccagaa acacactggc aaatggggca agacgggtgat cgagtaccgg tcgcagaaga 5400
210 cctcgcgcct gccattgta gatattgcac ctatggacat tggcggagcc gatcaggagt 5460
212 ttggcgtgga tattggccca gtctgcttct tgtaa 5495
215 <210> SEQ ID NO: 2
216 <211> LENGTH: 4793
217 <212> TYPE: DNA
218 <213> ORGANISM: Gallus gallus
220 <400> SEQUENCE: 2
221 atgcacggcc gccgcccgcc ccgctccgcc gctctctctc tctctctctc ctttctcacg 60
223 gccgcccga cgcgcagga ccgcgacctc cgacaacctg gcccgaaggg acagaaggga 120
225 gaacccggag atattaaaga tgttgtagga ccccgagggc ctccaggacc acagggccca 180
227 gcaggagagc agggacagcg aggggaccgt ggcgagaagg gggagaaggg tgctcctggc 240
229 ccccggtgga gggatggaga acccgccacc cctggaaacc caggccccc cggcccccc 300
231 ggacctctg gccccccgg acttggtgga aactttgcg cgcatatggc gggcggttc 360
233 gatgagaagg cgggtggagc gcagatgggt gtcatgcagg gacctatggg ccctatggga 420
235 ccccgcgccc cccctggccc cactggcgca cctggtcccc agggatttca aggcaacccc 480
237 ggtgagccc gcaacccgg cgtgctggt ccgatgggtc cccggggacc tccgggacca 540
239 cctgggaac ccggtgacga tggtagaca ggcaaaccg gcaaactgg tgaacgtggc 600
241 cccccggcc ccagggcgc tegtggcttc cctgggactc ctgggtctcc cggagtgaag 660
243 ggccaccgag gctaccccgg tttggatggt gccaaaggag aggcgggggc tctggagcc 720
245 aagggtgaat ctggttcacc gggtgagaac gggtccccg gccccatggg acccgtggg 780
247 ctgcccggag agcgaggacg tcccgcccc tccggcgccg ccggtgctcg tggcaatgac 840
249 ggtctccctg gccctgctgg accccctgga cccgtcggcc ctgcccggag ccccggttc 900
251 cccggagccc ccggttcaaa ggggtgaagc ggccccactg gtgcacgggg tcccagggtt 960
253 gcccaggac ccgcggcgca atccggcacc cccggtcttc cgggccccgc tggcgacccc 1020
255 ggtaaccag ggactgatgg catccccgg gccaagggtc cggcggtgc cccgggcatt 1080
257 gcaggcgctc caggattccc cggcccacgc ggcccccccg gaccccaagg tgccaccgga 1140
259 cactgggac ccaaaggaca gacgggcgaa cccggcatcg caggcttcaa gggcgagcaa 1200
261 ggaccgaagg gcgagacggg ccccgccagga cccaagggtg ccccgggg ccgctggtag 1260
263 gaaggcaaga gaggagctcg tggatgaacct ggtgccggcg gccctgtggg ccccccgga 1320
265 gaaagggg cgctctggcaa ccgtggattc cccgggcagg acgggctggc cggacccaag 1380
267 ggtgctccag gtgaacgcgg ccccgctggg ctgcggggtc ccaaagggtc caccggtgac 1440
269 cccggacgtc ccggagagcc cgggctgccc ggagcgaggg gtctcaccgg ccgccccggc 1500
271 gatgcgggac ctcaaggcaa agtcggccca actggtgctc ctggcgagga tggccgcccc 1560

```

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/534,538A

TIME: 08:45:26

Input Set : A:\272331US0PCT.ST25.txt

Output Set: N:\CRF4\08022006\J534538A.raw

273	ggcccccccg	gacctcaggg	tgctcgtggg	cagcctggtg	tgatggggtt	ccccgggtccc	1620
275	aaaggcgcta	atggtgagcc	tggaaaagct	ggagagaaa	gactgcccgg	cgccccaggg	1680
277	ctgcgggggtc	tgcttgga	ggatggggag	acgggagctg	ccggcccccc	tggaccgct	1740
279	ggtcctgtgg	gtgagagagg	agagcaagga	gccccgggtc	cttcgggctt	ccagggactg	1800
281	cccgaccac	caggtcccc	tggggagagc	ggcaaaccgc	gagaccaggg	tggtcctgga	1860
283	gaagcgggtg	ccccgggtct	tggttggtccc	agaggtgaac	gtggattccc	cggtgaacgc	1920
285	ggctctcccg	gtgcccgaag	gctgcagggg	ccccgtgggc	tccccggaac	gcccggcact	1980
287	gacggacca	aggggtgaac	cggtccagcc	ggccccaacg	gtgcccaggg	tccccaggg	2040
289	ctgcagggaa	tgcccgggtga	gagaggagca	gctggcatcg	ctggcctcaa	gggtgaccgg	2100
291	ggagatgttg	gtgagaaaag	acctgagggg	gctccaggca	aggatggcgc	acgtggtctg	2160
293	acgggtccca	ttgggtcccc	tggccctgct	ggccccaacg	gtgagaaggg	tgaatccggc	2220
295	cctcctggtc	catctggtgc	tgccgggtgcc	cgtggtgccc	ccggtgagcg	tggcgagccc	2280
297	ggtgcccccg	gtcctgctgg	atttgctggc	ccccggggcg	ccgatggaca	acccgggtgcc	2340
299	aaaggcgagc	agggagagcc	cgggcagaag	ggtgacgcgg	gcgctcctgg	tccccaaagt	2400
301	ccctccggcg	ctcctggccc	ccagggccca	accggtgtca	ctggtcccaa	aggagctcgt	2460
303	ggggctcagg	gtccccctgg	agccacggga	ttccccggag	ctgcccggcg	tgtgggaccg	2520
305	cccgcccta	atggtaaacc	aggccccccc	ggacccccctg	gctctgctgg	caaggacggc	2580
307	cccaaggggtg	ttcgtggcga	cgccggcccc	ccggcccgctg	caggtgacct	cggcctccaa	2640
309	ggcccccg	gcccccccg	cgagaagggc	gaaccggcg	aggacggccc	cgcggtccc	2700
311	gacggcccc	ccggccctca	aggcttgcca	ggacagcggtg	gtattgtggg	tctcccagga	2760
313	cagcgtgggtg	agagaggctt	ccccggactg	ccggggccat	cgggagaacc	tggaaagcaa	2820
315	ggagcgctg	gctctgcggg	tgaccgaggt	ccccccggcc	ccgtggggcc	ccctgggctg	2880
317	acgggtcctg	ctggagaacc	cgggcgcgag	ggcaaccctg	gtgctgacgg	tctcccaggc	2940
319	agggatggcg	cagctggcgt	gaagggtgat	cgtggtgaga	ccggccctgt	gggtgcccc	3000
321	ggtgctcctg	gagcccttgg	cgcccccggc	cctgttggtc	ccactggaaa	acaaggagac	3060
323	agaggcgaga	cggtgtcaca	agggcccatg	ggtccctctg	gtcccgttgg	agctcgagga	3120
325	atgccgggtc	cccaaggacc	tcgtggtgac	aaaggtgaga	cgggagaggc	tggagagaga	3180
327	gggtgaagg	gccaccgtgg	cttcaccggg	ctgcagggtc	tgcccggacc	acccggccc	3240
329	tctggagacc	aaggtgctgc	cggtcccgt	ggtccctccg	gtcccagagg	tccccctggt	3300
331	cccgteggcc	cctctggcaa	agatggctct	aacggcatgc	ccggccccat	cggtcctccc	3360
333	ggtccccgtg	gacggagtgg	tgaaccgggc	cctgcccgtc	ctcctggaaa	ccccggtcct	3420
335	cccggtcctc	ctggcccccc	cggcaccggc	atcgacatgt	ctgcttttgc	tggactgggt	3480
337	cagacggaga	agggccccga	ccccatccgc	tacatgaggg	cagacgaggc	ggccggaggg	3540
339	ctgcggcagc	acgacgtgga	ggtggatgcc	acctcaaat	ccctcaacaa	tcagattgag	3600
341	agcatccgca	gccccgagg	ctccaagaag	aacctggcca	ggacctgccg	cgacatcaaa	3660
343	ctctgccatc	ccgagtggaa	gagcggagat	tactggattg	acccgaacca	gggctgcacc	3720
345	ttggacgcca	tcaaagtatt	ctgcaacatg	gagacggggc	agacctgcgt	ctaccgcacc	3780
347	cccagcagca	tccccaggaa	gaactggtgg	accagcaaga	cgaaagacaa	gaagcacgtc	3840
349	tggtttgcag	agaccatcaa	cggcgggtttc	cacttcagct	acggcgatga	gaacctgtcc	3900
351	cccaacaccg	ccagcatcca	gatgaccttc	ctgcgcctcc	tgtccaccga	gggtcccag	3960
353	aacgtcacct	accactgcaa	gaacagcatc	gcctacatgg	acgaggagac	gggcaacctg	4020
355	aagaaagcca	tcctcatcca	gggatccaac	gacgtggaga	tcagagccga	gggcaacagc	4080
357	aggttcacct	acagcgtctt	ggaggacggc	tgcacgaaac	acactggcaa	atggggcaag	4140
359	acggtgatcg	agtaccgggt	gcagaagacc	tcgcgcctgt	ccattgtaga	tactgcacct	4200
361	atggacattg	gcggagccga	tcaggagttt	ggcgtggata	ttggcccagt	ctgcttcttg	4260
363	taaaaagggt	tggtgttatt	tgtgtgtttg	tttgtgtttt	ggttgttgtt	ttttgtttct	4320
365	tttttttttt	tttttagaaa	agaaaggaat	ccagcccaat	cccataaaaag	caaaccagtc	4380
367	ccacccccag	gaccgcacg	ttcccagcac	aacttctgca	ctgaacggat	ggcacgacct	4440
369	cgcgcccctt	cgggaccctc	cggcgccgtc	accgggcaga	ctgcgaaata	caaccacggg	4500

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/534,538A

TIME: 08:45:26

Input Set : A:\272331US0PCT.ST25.txt

Output Set: N:\CRF4\08022006\J534538A.raw

```

371 cttatatatta tttattgcct tcctggaagg cctgggtttcg tagggcggggt ggaggtggga 4560
373 atcaatctgg caggtgtgac ggccccctc cccacaaagg gatctggcaa acgcaggtat 4620
375 cgcgaatccc ctccccctcc cgtgtatcac cagcaggagt gctaattgat catacaacag 4680
377 aaatgggtgct attcttgtaa aacaagtctg ttttttttaa catcagttga tataaaaaca 4740
379 acaaaaaaaaa aaacttttgg tggaaagtaa aaaaaacaaa aaaaaaaaaa aaa 4793
382 <210> SEQ ID NO: 3
383 <211> LENGTH: 1420
384 <212> TYPE: PRT
385 <213> ORGANISM: Gallus gallus
387 <400> SEQUENCE: 3
389 Met His Gly Arg Arg Pro Pro Arg Ser Ala Ala Leu Leu Leu Leu Leu
390 1 5 10 15
393 Leu Leu Leu Thr Ala Ala Ala Ala Ala Gln Asp Arg Asp Leu Arg Gln
394 20 25 30
397 Pro Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Asp Ile Lys Asp Val
398 35 40 45
401 Val Gly Pro Arg Gly Pro Pro Gly Pro Gln Gly Pro Ala Gly Glu Gln
402 50 55 60
405 Gly Gln Arg Gly Asp Arg Gly Glu Lys Gly Glu Lys Gly Ala Pro Gly
406 65 70 75 80
409 Pro Arg Gly Arg Asp Gly Glu Pro Gly Thr Pro Gly Asn Pro Gly Pro
410 85 90 95
413 Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Leu Gly Gly Asn Phe
414 100 105 110
417 Ala Ala Gln Met Ala Gly Gly Phe Asp Glu Lys Ala Gly Gly Ala Gln
418 115 120 125
421 Met Gly Val Met Gln Gly Pro Met Gly Pro Met Gly Pro Arg Gly Pro
422 130 135 140
425 Pro Gly Pro Thr Gly Ala Pro Gly Pro Gln Gly Phe Gln Gly Asn Pro
426 145 150 155 160
429 Gly Glu Pro Gly Glu Pro Gly Ala Ala Gly Pro Met Gly Pro Arg Gly
430 165 170 175
433 Pro Pro Gly Pro Pro Gly Lys Pro Gly Asp Asp Gly Glu Thr Gly Lys
434 180 185 190
437 Pro Gly Lys Ser Gly Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg
438 195 200 205
441 Gly Phe Pro Gly Thr Pro Gly Leu Pro Gly Val Lys Gly His Arg Gly
442 210 215 220
445 Tyr Pro Gly Leu Asp Gly Ala Lys Gly Glu Ala Gly Ala Pro Gly Ala
446 225 230 235 240
449 Lys Gly Glu Ser Gly Ser Pro Gly Glu Asn Gly Ser Pro Gly Pro Met
450 245 250 255
453 Gly Pro Arg Gly Leu Pro Gly Glu Arg Gly Arg Pro Gly Pro Ser Gly
454 260 265 270
457 Ala Ala Gly Ala Arg Gly Asn Asp Gly Leu Pro Gly Pro Ala Gly Pro
458 275 280 285
461 Pro Gly Pro Val Gly Pro Ala Gly Ala Pro Gly Phe Pro Gly Ala Pro
462 290 295 300
465 Gly Ser Lys Gly Glu Ala Gly Pro Thr Gly Ala Arg Gly Pro Glu Gly

```

VERIFICATION SUMMARY

DATE: 08/02/2006

PATENT APPLICATION: US/10/534,538A

TIME: 08:45:27

Input Set : A:\272331US0PCT.ST25.txt

Output Set: N:\CRF4\08022006\J534538A.raw